

**II. AMENDMENTS TO THE CLAIMS:**

Please cancel claim 5 without prejudice.

Kindly amend claims 1-4 and 6, and add new claims 7 and 8 as follows.

The following Listing of Claims replaces all prior listings, and versions, of claims in the above-captioned application.

**Listing of Claims:**

1. (Currently Amended) ~~A method~~Methods of three dimensionally displaying an eyeground and measuring the coordinates thereof, comprising the steps of:

~~(A) a shape-measuring a length from surface of a cornea to the eyeground of an eyeball and radii of curvatures at a plurality of positions on the eyeground~~ step (A) in which the size L of an eyeball and the shape R of the eyeground are measured using a measuring device;;

~~(B) an eyeball setting step (B) for setting an eyeball template according to the measured length and radii~~size and shape;;

~~(C) an eyeground image taking step (C) for taking images of the eyeground including superimposed portions d by shifting imaging positions by a predetermined amount H;~~

~~(D) a parameter setting step (D) for obtaining an eyeball parameter g that represents a~~the positional relationship between the eyeground and images according to positions H of the superimposed portions on the images;;

~~(E) an image pasting step (F) for pasting a number of images on the eyeball template according to the eyeball parameter g;~~ and

~~(E) a three dimensional image displaying step (H) for displaying three dimensional~~  
eyeground images from the eyeball template on a display device.

2. (Currently Amended) The ~~method~~methods of three dimensionally displaying an  
eyeground and measuring the coordinates thereof, specified in Claim 1, ~~further also~~  
comprising ~~the step of an image/position recording step (E) for~~

~~(G) recording images taken in the eyeground image taking step (C) and the positional~~  
relationship between the eyeball and the imaging device corresponding to each image.

3. (Currently Amended) The ~~method~~methods of three dimensionally displaying an  
eyeground and measuring the coordinates thereof, specified in Claim 1, ~~wherein the~~  
~~superimposed portions d further comprises corresponding points, and the method further~~  
~~comprises the step of also comprising an image position matching step (G) for~~

~~(G) adjusting the positions of eyeground images on a plane of the eyeground~~  
according to the corresponding points in the superimposed portions d.

4. (Currently Amended) The ~~method~~methods of three dimensionally displaying an  
eyeground and the measuring coordinates thereof, specified in Claim 1, ~~further also~~  
comprising ~~the steps of a characteristic portion indicating step (J) for~~

~~(G) indicating characteristic portions on the three dimensional eyeground images~~  
shown on the display device;;

~~(H) a three dimensional coordinate defining step (K) for obtaining three dimensional~~

~~coordinates of the indicated portions on the eyeground images shown on the display device;;~~

~~(I) a characteristic portion measuring step (L) for measuring sizes of the indicated portions;; and~~

~~(J) a data saving step (M) for storing measured data in a recording medium.~~

5. (Cancelled)

6. (Currently Amended) A computer readable storage medium that stores a program for displaying an eyeground three dimensionally and measuring the coordinates thereof, to operate the computer to execute the steps of:

~~(A) a shape measuring a length from surface of a cornea to the eyeground of an eyeball and radii of curvatures at a plurality of positions on the eyeground~~  
~~step (A) in which the size of an eyeball and the shape of the eyeground;; are measured;~~

~~(B) an eyeball template setting step (B) for setting an eyeball template according to the measured length and radii size and shape;;~~

~~(C) an eyeground image taking step (C) for taking images of the eyeground including superimposed portions by shifting the imaging positions by a predetermined amount;;~~

~~(D) a parameter setting step (D) for obtaining an eyeball parameter that represents a the positional relationship between the eyeground and images;;~~

~~(E) an image pasting step (F) for pasting a number of images on the eyeball template according to the eyeball parameter;; and~~

~~(F) a three dimensional image displaying step (H) for displaying three dimensional~~

eyeground images on the eyeball template.

7. (NEW) A method of three dimensionally displaying an eyeground and measuring the coordinates thereof, comprising:

a shape measuring step (A) in which a length from surface of a cornea to the eyeground of an eyeball and radii of curvatures at a plurality of positions on the eyeground are measured using a measuring device;

an eyeball setting step (B) for setting an eyeball template according to the measured length and radii;

an eyeground image taking step (C) for taking images of the eyeground including superimposed portions d by shifting imaging positions by a predetermined amount H;

a parameter setting step (D) for obtaining an eyeball parameter g that represents the positional relationship between the eyeground and images according to positions H of the superimposed portions on the images;

an image pasting step (F) for pasting a number of images on the eyeball template according to the eyeball parameter g; and

a three dimensional image displaying step (H) for displaying three dimensional eyeground images from the eyeball template on a display device.

8. (NEW) A computer readable storage medium that stores a program for displaying an eyeground three dimensionally and measuring the coordinates thereof, to operate the computer to execute

a shape measuring step (A) in which a length from surface of a cornea to the eyeground of an eyeball and radii of curvatures at a plurality of positions on the eyeground are measured using a measuring device;

an eyeball setting step (B) for setting an eyeball template according to the measured length and radii;

an eyeground image taking step (C) for taking images of the eyeground including superimposed portions by shifting the imaging positions by a predetermined amount;

a parameter setting step (D) for obtaining an eyeball parameter that represents the positional relationship between the eyeground and images;

an image pasting step (F) for pasting a number of images on the eyeball template according to the eyeball parameter; and

a three dimensional image displaying step (H) for displaying three dimensional eyeground images on the eyeball template.